Notice of Allowability 10723,350		Application No.	Applicant(s)
Rya A. Les			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Miowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. □ This communication is responsive to 2. □ The drawings filed on **I¹_10** are accepted by the Examiner. 4. □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some* c) □ None of the: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received: Applicant has THREE MONTHS FROM THE **MAILING DATE* of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. □ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. □ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) □ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) □ hereto or 2) □ to Paper No./Mail Date (b) □ including changes required by the Attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (c) □ DEPOSIT OF and/or INFORM	Notice of Allowability		
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith for previously maleid, a Notice of Allowance (PTOL-85) or other appropriate communication will be maleid in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. □ This communication is responsive to □		Rin A Lee	
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith tor previously mailed, a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to			
2. ☑ The allowed claim(s) is/are 1-26. 3. ☐ The drawings filed on 1. 1. 26. 3. ☐ The drawings filed on 1. 1. 26. 3. ☐ The drawings filed on 1. 26. 3. ☐ The drawings filed on 1. 26. 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). *Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding ReQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☐ Notice of Informal Patent Application (PTO-152) 2. ☐ Notice of Draftperson's Pat	All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL-1001) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT	IS (OR REMAINS) CLOSED in 35) or other appropriate comm RIGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
3.	1. This communication is responsive to		
4.			
a)	3. The drawings filed on $\frac{11/26}{6}$ are accepted by the Exami	iner.	
2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.** 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL. **Attachment(s)** 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of References Cited (PTO-892) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date Paper No./Mail Date Paper No./Mail Date Paper No./Mail Date 2. ☑ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	a) All b) Some* c) None of the:		or (f).
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment Paper No./Mail Date 8. ☑ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	· · · · · · · · · · · · · · · · · · ·		on No
International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5.			
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date @6-24-04, 11-01-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance		documents have been receive	d in this flational stage application from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Paretreson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date Paper No./Mail Date 66-24-04, 11-01-04 4. Examiner's Comment Regarding Requirement for Deposit 8. Examiner's Statement of Reasons for Allowance			
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 06-24-04, 11-01-04 4. Examiner's Comment Regarding Requirement for Deposit 5. Notice of Informal Patent Application (PTO-152) 7. Examiner's Amendment/Comment Paper No./Mail Date 06-24-04, 11-01-04 8. Examiner's Statement of Reasons for Allowance	noted below. Failure to timely comply will result in ABANDO	E" of this communication to file NMENT of this application.	e a reply complying with the requirements
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment Paper No./Mail Date 06-24-04, 11-01-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	5. A SUBSTITUTE OATH OR DECLARATION must be sul INFORMAL PATENT APPLICATION (PTO-152) which ξ	omitted. Note the attached EX, gives reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF r declaration is deficient.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment Paper No./Mail Date 06-24-04, 11-01-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	6. CORRECTED DRAWINGS (as "replacement sheets") n	nust be submitted.	
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment Paper No./Mail Date 06-24-04, 11-01-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	(a) including changes required by the Notice of Draftsp	erson's Patent Drawing Reviev	w (PTO-948) attached
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. □ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. □ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 06-24-04, 11-01-04 4. □ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	·	
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. □ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. □ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 06-24-04, 11-01-04 4. □ Examiner's Comment Regarding Requirement for Deposit 5. □ Notice of Informal Patent Application (PTO-152) 6. □ Interview Summary (PTO-413), Paper No./Mail Date 06-24-04, 11-01-04 7. ☑ Examiner's Amendment/Comment 8. ☑ Examiner's Statement of Reasons for Allowance		er's Amendment / Comment o	r in the Office action of
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment 8. ☑ Examiner's Statement of Reasons for Allowance	Identifying indicia such as the application number (see 37 CFF	R 1.84(c)) should be written on t n the header according to 37 CF	he drawings in the front (not the back) of R 1.121(d).
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit Notice of Informal Patent Application (PTO-152) Interview Summary (PTO-413), Paper No./Mail Date Examiner's Amendment/Comment Examiner's Statement of Reasons for Allowance 	 DEPOSIT OF and/or INFORMATION about the department of the department of	POSIT OF BIOLOGICAL MAT IT FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note the DLOGICAL MATERIAL.
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit Notice of Informal Patent Application (PTO-152) Interview Summary (PTO-413), Paper No./Mail Date Examiner's Amendment/Comment Examiner's Statement of Reasons for Allowance 			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 06-24-04, 11-01-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment 8. ☑ Examiner's Statement of Reasons for Allowance		5. ☐ Notice of In	formal Patent Application (PTO-152)
Paper No./Mail Date 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 06-24-04, 11-01-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit Paper No./Mail Date Examiner's Amendment/Comment Examiner's Statement of Reasons for Allowance	<u> </u>		,, ,
4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance	3. ⊠ Information Disclosure Statements (PTO-1449 or PTO/SE	Paper No.	Mail Date
	Haper No./Mail Date <u>06-24-04, 11-01-04</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	t 8 ⊠ Fyaminer's	Statement of Reasons for Allowance
			
	•		<u>-</u> -

Art Unit: 1713

Page 2

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claim 19

page 61, line 12	replace "tetrakis(2,4-dimethyl)borate" with "tetrakis(2,4-
	dimethylphenyl)borate"
page 61, line 28	replace "tetrakis(phenyl)borate" with "tetraphenylborate"
page 61, line 31	replace "tetrakis(phenyl) borate" with "tetraphenylborate"
page 62, line 3	replace "tetrakis(phenyl)borate" with "tetraphenylborate"
page 62, line 8	replace "dimethyl)aluminate" with "dimethylphenyl)aluminate"
page 62, line 21	replace "tetrakis(phenyl)aluminate" with "tetraphenylaluminate"
page 62, line 25	replace "tetrakis(phenyl)aluminate" with "tetraphenylaluminate"
page 62, line 28	replace "tetrakis(phenyl)aluminate" with "tetraphenylaluminate"

Art Unit: 1713

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: Claims 1-26 are allowed over the closest references, U.S. Patent No. 6,107,230 to McDaniel *et al.*, U.S. Patent No. 4,978,730 to Maezawa *et al.*, U.S. Patent No. 5,326,837 to Kissin, and U.S. Patent No. 5,721,327 to Santi *et al.*

The present invention is drawn to a compound having the formula $(X^1)(X^2)(X^3)(X^4)M^1$ wherein M^1 is a group 4 metal, X^1 is selected from cyclopentadienyl, indenyl, fluorenyl, or substituted derivatives thereof, X^2 is $-OSnR_3$, and X^3 and X^4 are ancillary ligands as defined in the claim. The invention is also drawn to catalyst compositions comprising the claimed compound, and processes for polymerization of olefins in the presence of catalyst compositions comprising the inventive compound.

McDaniel et al. discloses compounds having the formula $(X^1)(X^2)(X^3)(X^4)M^1$ wherein M^1 is a group 4 metal, X^1 is selected from cyclopentadienyl, indenyl, fluorenyl, or substituted derivatives thereof, X^3 and X^4 are selected from the group consisting of halides, aliphatic groups, cyclic groups, an organometallic groups, and X^2 is defined as X^1 or X^3 and X^4 . It is the examiner's position that the subject matter of the present claims is neither anticipated nor made obvious by McDaniel et al. The reference focuses primarily on methods of preparing treated inorganic oxide supports with various transition metal compounds. After treatment, catalyst precursors of formula $(X^1)(X^2)(X^3)(X^4)M^1$ are deposited onto the support. The claims and specification illustrate actual embodiments used in McDaniel et al., which are standard metallocenes rather than monocylcopentadienyl-type complexes of the present invention. Thus, the reference does not teach specifically stannoxy-based monocylcopentadienyl-type metal

Art Unit: 1713

complexes of the present invention. Furthermore, it can not be gleaned from the overall teachings of the prior art that the scope of the patent covers such metal complexes. Therefore, it would not have been obvious to one having ordinary skill in the art to arrive at the claimed compounds based on the teachings of McDaniel *et al*.

Maezawa *et al.* teaches a process of polymerization of styrene based polymers in the presence of a catalyst comprised of monocylcopentadienyl titanium complexes containing alkoxy, aryloxy, and acyloxy groups. Use of stannoxy derivatives is not disclosed in the patent.

Kissin discloses a method for preparing syndiotactic styrene in the presence of a catalyst comprised of (i) trimethylaluminum, (ii) a monoycylopentadienyl titanium complex containing halogen, alkoxy, aryl, or arylakyl ancillary ligands, and (iii) at least one organotin compound. The reference does not teach compounds of the present claims, and it is not evident that such a compound would be generated in situ given the polymerization conditions shown in the patent.

Santi et al. discloses indenyl-based half-sandwich titanium complexes of general formula $(Ind)TiX^1X^2X^3$ where the indenyl ligand may be substituted or unsubstituted. Ancillary ligands X^1 , X^2 , and X^3 do not include stannoxy ligands. Thus, the prior art does not teach the subject matter of the present claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

A CAS online search for metal compounds containing the minimum structure $(C_5H_3R_2)M(OSnR'_3)(L^1)(L^2)$ where M is any metal, R is H or any substituent, and two R may be joined to form a ring (i.e., indenyl) yielded two germane results.

Silva et al. (Polyhedron, 1999) discloses the niobocene complex Cp₂Nb(Cl)(μ-O)(SnPh₂Cl₂).

Herrmann et al. (J. Organomet. Chem., 1989) discloses a rhenium oxo complex, Cp*Re(O)(OSnBu₃)₂.

The prior art made of record but not relied upon is considered pertinent to the Applicant's disclosure. The following patents have been cited to show the state of the art with respect to monocyclopentadienyl complexes containing heteroatomic ligands.

- U.S. Patent No. 6,825,369 to Stevens et al.
- U.S. Patent No. 6,410,657 to Ko et al.
- U.S. Patent No. 6,271,322 to McCullough et al.
- U.S. Patent No. 6,159,889 to Wasserman
- U.S. Patent No. 6,020,439 to Ko et al.
- U.S. Patent No. 5,962,362 to Wasserman
- U.S. Patent No. 5,789,638 to Hahn et al.
- U.S. Patent No. 5,340,892 to Kuramoto
- U.S. Patent No. 5,196,490 to Campbell et al.

Art Unit: 1713

٠,

References not considered in Applicant's information disclosure of June 24, 2004 were

Page 6

deemed not relevant to the subject matter of the instant invention.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Rip A. Lee whose telephone number is (571)272-1104. The

examiner can be reached on Monday through Friday from 9:00 AM - 5:00 PM. If attempts to

reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be

reached at (571)272-1114. The fax phone number for the organization where this application or

proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on the access to the

Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

ral

March 8, 2005

DAVID W. WU SUPERVISORY PATENT EXAMINER TECHNOLOGY GENTER 1700